



cleaning
systems
for liquids

MKR Metzger GmbH
Recyclingsysteme
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▶ ET 100

Evaporator technology for treatment of industrial waste water

ET 100	Unit	Value
Capacity	l/h	100
Power requirement	kWh/m ³	from 60
Dimensions:		
Length	mm	1950
Bridth	mm	1260
Height	mm	2400
Unloaded weight	kg	2100
Noise level	dB (A)	< 72
Mains connection	right turning	
Voltage	3x400V/N/PE	
Frequency	Hz	50
Amperage	A	52
Connection power	kW	32
Air ammount	NI/min	100
Air ammount max.	NI/min	300
Media temprature	°C	10 - 60
pH-Value	pH	6,5 - 11

Components:

Housing

Welded steel tube frame complete cased
All components reachable by big doors
Lacquer: Frame and doors NCS-S 2010-R70B
Isolated against heat and noise
Integrated drip pan with leakagedetection
Adjustable mounting foot with vibration damper

Medium-affected parts

stainless steel 1.4404 and 1.4571

Medias

Feed via separate bag filter unit
Distillate discharge via integrated pump
Concentrate discharge via integrated discharge tank

Preheating exchanger

2 plate exchanger for preheating of dirty water through distillate and exhaust air

Mechanical defoaming agent

By the patented instruments it can be dispensed predominantly on chemicals (defoamer).

Compressor

NI-Resist Roots blower with automatic power control

Integrated coalescence separator

For separation of light-boiling for optimum distillate quality





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Control/Visualization

Siemens S7-1500, 9" Widescreen TFT
Automatic control for operation, idling and
switching to cleaning
integrated warning and alert system

Connections

See separate data sheet

Options

- CIP-Cleaning

integrated automatic cleaning of the
heat exchanger surfaces

- Remote maintenance by modem

Documentation

- Operation manual, incl. Electrical-wiring diagram on paper
- Spareparts and drawings digitalized

Technical changes reserved

Stand: 08/2019 K:\Technische_Entwicklung\Typen Dokumentation CE Hauptgeräte\ET Verdampfer\21 Maß und Datenblätter

